



# A MEMO TO THE SORA COMMUNITY

FEBRUARY 2024

*This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.*

*February 2024 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA network development pipeline, and the progress rate has steadily advanced.*

***This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205055 served by Soramitsu Helvetia to the SORA Community.***

# 1 SORA (Substrate) – 4,319hrs

This month's work involves [Kensetsu](#), [ALT Technology](#), the [bridge to a sovereign state](#), the [Multi EVM bridge](#), HRMP channels, and the [SORA Wiki](#).

On the Kensetsu front, work is ongoing in collaboration with the front-end team to ensure user-oriented implementation. KEN tokenomics are being translated into business and technical requirements within the system, and research on risks and mitigation strategies, focusing on avoiding cascading liquidation, is ongoing.

Work on upgrading Aggregate Liquidity Technology is ongoing. Progress is being made in addressing technical debt, while a mechanism to address the limitations of different liquidity sources is being developed. The liquidity.proxy.quote fee structure is being updated to accommodate fees in different tokens (XOR, XST, XSTUSD), depending on the liquidity source. We will announce the details on the change in time to give enough notice to app developers depending on this RPC call to ensure smooth operations on the production environment.

There is great progress on the bridge to a sovereign state managed by blockchain technology. The Substrate bridge is being adjusted to connect to and support a standalone (non-parachain), Substrate-based network. Extensive communication is ongoing with the State's technical team to release the implementation for public testing.

The Multi-EVM bridge is back on the scope, with work ongoing to implement the fee structure.

Opening HRMP channels to other Substrate networks is an ongoing focus. An update allowing token transfers between the SORA Polkadot and SORA Kusama parachains is in progress. Testing token transfers between SORA and Moonbeam on the Moonbeam Alphanet is in progress, while an HRMP channel to Acala (Polkadot) has been opened. Karura (Kusama) will be opened next, and Shiden and Astar HRMP channels are in progress.

Additional work on SORA Substrate infrastructure includes updating the Polkadot SDK to version 1.1.0, codebase housekeeping, including maintenance, cleaning, and optimization, and collaboration and research on blockchain architecture to provide SORA support for central banks.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops, and development support for external teams building on the SORA network.

On the mobile side, one release was worked on this month:

- **3.8.2 Released.** Users can now view their IBAN details on the SORA Card hub, support for an updated partner SDK that improves the SMS process during SORA card onboarding, as well as an improvement of the KYC flow. Additionally, transaction history for ADAR and bridge operations and other fixes and improvements are available.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

## 1.1 SORA Backend

- Kensetsu:
  - Synchronizing with the Product Design and front-end teams to ensure the implementation is user-oriented;
  - Research and development of business and technical requirements for the KEN tokenomics;
  - Research risks and mitigation strategies for the platform (cascading liquidation mechanism);
  - Implementation of test cases for the platform.
- Aggregate Liquidity Technology (ALT):
  - Working on the technical debt;
  - Working on the mechanism for limitations for different liquidity sources;
  - Updating fee response structure of liquidityProxy.quote to accommodate different fees depending on the liquidity source (XOR, XST, XSTUSD).
- Bridge to Sovereign State:
  - Adapting the implementation of the Substrate bridge to the Kusama parachain to connect to a non-parachain Substrate-based network;
  - Synchronization with the sovereign state's team to release the implementation for public testing.
- Multi-EVM Bridge
  - Working on the implementation of the fee structure.

- HRMP Channels:
  - Working on the update of the parachains to allow transfers of tokens between the SORA and Polkadot / Kusama parachains;
  - Testing transfers between SORA and Moonbeam;
  - Opened HRMP channel with Acala;
  - Synchronization with other parachain teams interested in setting up HRMP channels with SORA.
- Update of the PolkadotSDK to version 1.1.0;
- Codebase maintenance, cleaning, and optimisation;
- Collaboration and research on blockchain architecture for central banks powered by SORA.
- Project management activities (daily meetings, planning, retrospectives);
- Quality assurance and testing activities, as well as the development of automated tests.

## 1.2 Mobile App

- Implemented and Released Version 3.8.2:
  - Users can now view their IBAN details on the SORA Card hub;
  - No more missing SMS issues during the SORA Card application process - update of partners' SDK (SORA Card);
  - Improvement of KYC flow (SORA Card);
  - Adding transaction history for transactions from ADAR;
  - Adding transaction history for bridge transactions;
  - Fixes and improvements.
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities;
- Communicated and synchronized with external partners for SORA Card: Phase 2;
- Preparation of scope, business and technical requirements for SORA Card: Phase 3.

## 2 Substrate (PSWAP) - 963 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- The [Polkaswap.io/#/trade](https://polkaswap.io/#/trade) page has been prepared for mainnet release:
  - Market Orders: Instant trade execution at the best current price;
  - Limit Orders: Set and execute trades at your desired prices;
  - Real-time Updates: Keep up with market conditions and trading opportunities, accounting for a 6-second delay per block due to on-chain processing;
  - Order History Widget: Conveniently track your past trades and current order statuses;
  - Market Trades Widget: Get a real-time feed of recent trades for immediate market insights;
- The Explore page has been improved:
  - Orderbook support: added the [polkaswap.io/#/explore/books](https://polkaswap.io/#/explore/books) page;
  - Added 'pool tokens' column for [polkaswap.io/#/explore/pools](https://polkaswap.io/#/explore/pools) page;
  - New responsive explore page menu.
- Charts have been enhanced:
  - New filters for charts (5m, 15m, 30m, 1h, 4h, 1D, 1Y, ALL);
  - Included Volume metrics for single-token charts;
  - Optimized chart performance, reducing re-rendering and requests while enhancing zoom and scroll functionality.
- XOR native staking has been improved:
  - Enhanced user experience with notifications and loading states during transactions in the stake dialogue for XOR native staking;
  - Locked XOR balance improvements on the [polkaswap.io/#/wallet](https://polkaswap.io/#/wallet) Wallet page;
  - Improved withdrawal process for XOR validator staking rewards.
- Kensetsu development:
  - Added the KEN distribution page [polkaswap.io/#/kensetsu](https://polkaswap.io/#/kensetsu);
  - TypeScript API finalization;
  - Mockups preparation;
  - Polkaswap Vault page development.

- Ensured a seamless experience with a handy “Reload page” button for wallet browser extensions that may not respond;
- Streamlined history updates, minimizing local storage usage for smoother navigation;
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities.

## 3 DevOps and Security - 433 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

### 3.1 SORA Blockchain

- New notification bots for for CI/CD
- Update Bridge security bot
- Improved CI/CD pipeline
- Improved CI/CD for the new version of the Sovereign State environment
- Deployed Alphanet parachain dev environment
- Integrated Trivy reports to DefectDojo

### 3.2 Parachain

- Improved CI/CD pipeline
- Security checks added
- A new version has been released and deployed

### 3.3 Polkaswap

- Improved CI/CD pipeline
- Working on fault tolerance

### 3.4 Mobile Clients

- Updated CI/CD pipeline
  - New autotests
  - Library improved
- New security tools integrated into DefectDojo

### 3.5 SORA Card

- Improved CI/CD
- DNS and website management
- Working on Infrastructure hardening



## 4 Education – 886 hr

Educational operations this month included:

### 4.1 SORA

- Ecosystem Update;
- Ongoing wiki Improvements;
  - Orderbook builders guide released
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
- Weekly network digest recap;
- SORA Kusama Bridge Giveaway reward distribution;
- AMA with Curio Invest;
- Relationship management with parachain teams to open HRMP channels;
- Continuous maintenance and documentation of the implementation and vision of SORA in the wiki;
- Discussions with potential partners to integrate their services into the SORA wallet and integrate SORA DeFi services into their product;
- SORA evangelisation at industry events and conferences.

### 4.2 Polkaswap

- Ecosystem Update;
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
- Orderbook launch;
- Orderbook survey;
- Polkaswap tutorials on SORA Wiki:
  - Orderbook;
  - SORA native staking.
- New release campaigns:
  - DOT on Polkaswap;
  - XOR burn&KEN reserve monitor.
- Bridge to a sovereign government education campaign preparation.
- Attending high-impact in-person events and business to government (B2G) expenses.

## 5 Total Hours – 6,601 hr

Additionally, invoice 205054, attached, pertains to cloud server costs for February 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

*The SORA Ecosystem Updates published on [February 29](#) and the Polkaswap update published on [February 29](#) present supporting concept updates.*

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**Invoice**

<b>Invoice for</b> SORA.org	<b>Payable to</b> SORAMITSU Helvetia AG	<b>Issue Date</b> 5 March 2024	<b>Invoice Number</b> 205054
	<b>Project</b> Cloud Service Provider Cost for February 2024	<b>Due Date</b> 12 March 2024	

Description	Amount (USD)
Cloud Service Provider Cost for February 2024	13,761.00

Subtotal	<b>\$13,761.00</b>
Tax	<b>0,00</b>

**Total Amount Due** **USD \$13,761.00**

\* Payment can be made in equivalent TBCD, at the market rate.

**Wallet Address (TBCD):** **cnW1uFPnjTzD4dXFCKfAVxkJ4opuZGDs27d4UJFgMCKKG3YMW**

*Thank you very much for your business. We are looking forward to serving you again.*

**SORAMITSU Helvetia AG**  
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**Invoice**

<b>Invoice for</b> SORA.org	<b>Payable to</b> SORAMITSU Helvetia AG	<b>Issue Date</b> 5 March 2024	<b>Invoice Number</b> 205055
	<b>Project</b> Development Cost for February 2024	<b>Due Date</b> 12 March 2024	

Description	Quantity (Work-Hours)	Unit Price (USD)	Amount (USD)
SORA (Backend, Mobile Apps)	4,319	369.00	1,593,711.00
Polkaswap (Backend, Frontend)	963	369.00	355,347.00
DevOps and Security Review	433	369.00	159,777.00
Education	886	369.00	326,934.00
<b>Subtotal</b>	<b>6,601.00</b>	<b>\$369.00</b>	<b>\$2,435,769.00</b>

	Subtotal	<b>\$2,435,769.00</b>
	Tax	<b>\$0.00</b>

<b>Amount Due</b>	<b>USD \$2,435,769.00</b>
<b>Grand Total Due (Invoice 205054 &amp; 205055)</b>	<b>USD \$2,449,530.00</b>

\* Payment can be made in equivalent TBCD, at the market rate.

**Wallet Address (TBCD):** `cnW1uFPnjTzD4dXFCkFvXkJ4opuZGDs27d4UJFgMCKKG3YMW`

*Thank you very much for your business. We are looking forward to serving you again.*



**SORAMITSU Co. Ltd.**

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